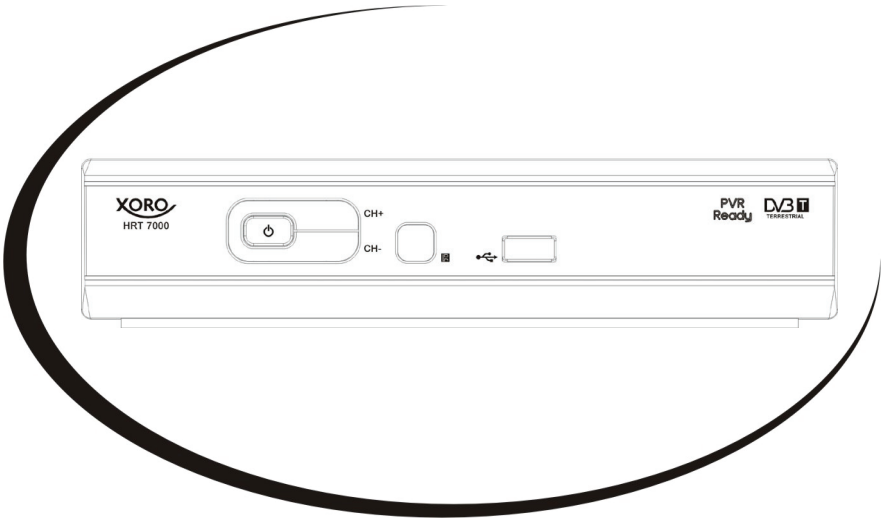
FREE TO CHOOSE INNOVATIONS

XORO®

MPEG-4 3D DVB-T Receiver with PVR Ready, Time Shift & Media-Player

HRT 7000



User Manual

Uporabniški priroènik

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English

SAFETY INFORMATION

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

English

User Manual

1. All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. All warnings on the product and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.

Power Supply

1. Never touch the plug with wet hands.
2. If you want to pull the plug out of the plug socket, always pull directly on the plug. Never pull on the cable as it could tear.
3. Make sure that the power cable is not bent, caught or run over and that it does not come into contact with heat sources.
4. Make sure that the power cable is not wound around the device while in operation.
5. Never place the machine on the power cable while it is being operated.
6. Only use extension cables that are designed for the power consumption level of the machine.
7. Keep the appliance away from rain and any moisture.
8. Only operate the machine if the electrical voltage stated on the type plate beneath the machine agrees with the voltage on your plug socket. The wrong voltage can destroy the machine.
9. Do not stand vases etc. on the appliance. Water could seep into the appliance.
10. Do not open the appliance.
11. Pull out the mains plug if the appliance is not to be used over a longer period of time.
12. Take care that nobody can trip over the power supply cable.

SAFETY INFORMATION

Use for...

1. Reception of digital channels via antenna (DVB-T).
2. Recording of DVB-T broadcast on USB storages.
3. Playback of recorded content from USB storage.
4. Playback of supported picture and audio files from USB storage.

Operation and Position

1. Do not connect accessories on the player which are not defined by the manufacture.
2. Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
3. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
4. The device is able to show a still image on the TV screen or monitor over an unlimited period of time. This can cause damage to the screen. It is therefore advisable to activate the screen saver. Or switch the player off, if the device is not in use.
5. Do not use the device permanent in the 4:3 mode. This can cause damage to the TV screen.
6. Do not increase the volume when the player is just playing very quiet sections. This cold damage the speaker if very loud passages starts all of a sudden after the quiet section.
7. Switch the player off by the Off/On switch if it is not going to used for a longer period of time.
8. Disconnect the main plug during thunderstorms.
9. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered.
10. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
11. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
12. Protect the device against weather influences, moistures and high temperature.
13. Never spill liquid of any kind on the product.
14. Do not expose the device and the remote control to direct sunlight.

USB Port

Due to the legal requirements of CE-conformity, the customer is asked to only connect USB-Sticks to the USB port.

SAFETY INFORMATION

Antenna

The device can be connected to an antenna.

1. Unplug the power cord cable from the mains outlet before connecting or disconnecting the DVB-T to/from the antenna, otherwise both might be damaged.
2. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.

English

Defect

1. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
2. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
   a. When the power-supply cord or plug is damaged.
   b. If liquid has been spilled, or objects have fallen into the product.
   c. If the product has been exposed to rain or water.
   d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
   e. If the product has been dropped or damaged in any way, and
3. When the product exhibits a distinct change in performance this indicates a need for service.
4. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
5. Nicotine can damage the electronic components. In case of service regarding too much nicotine, than the warranty/guarantee expired.
6. Please read in the section Troubleshooting our service address and phone number.

Dolby

Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished works. 1992-1997 Dolby Laboratories, Inc. All ►s reserved.

Recycling Informationen

Recycling of electronic devices

This product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!

English

Recycling of paper and carton

The material recycling symbol on the carton and user manual denotes that they are recyclable. Dispose them not with the normal household waste.

Recycling of plastic parts

The material recycling symbol on the plastic parts denotes that they are recyclable. Dispose them not with the normal household waste.

Green Dot

The “Grüne Punkt” denotes that the MAS Elektronik AG pays a duty to the “Gesellschaft für Abfallvermeidung und Sekundärrohstoffgewinnung“.

Notes

Accessoires

When opening the package of this Portable-DVD player please make sure that the following accessories are included:

- HRT 7000
- Remote Control
- Batteries for the Remote Control
- User Manual
- International Warranty Card

Notes:

- If any item should be damaged or missing, please contact your dealer without delay.
- Keep the packaging materials, you may need them to transport your player in the future.
- Always transport or send the player in its original packing.
- Do not change or modify any components of the device or accessories.

Features

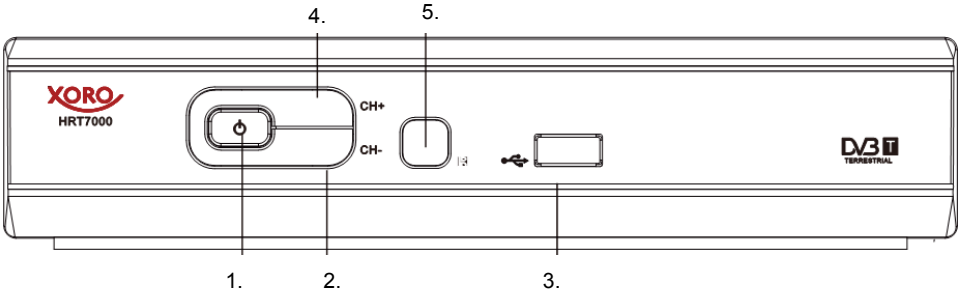
- Standard Definition DVB-T Receiver
- Supports DVB-T for MPEG-4 (H.264) and MPEG-2
- Electronic program guide (EPG) and teletext
- USB 2.0 High Speed connection
- Supporting multiple audio-containers (MP3)
- Supporting image-containers (JPEG)
- RGB video out (SCART)
- SCART Audio/Video-IN

Default settings

OSD language	English
Aspect ratio	AUTO
Video out	RGB

CONTROL ELEMENTS

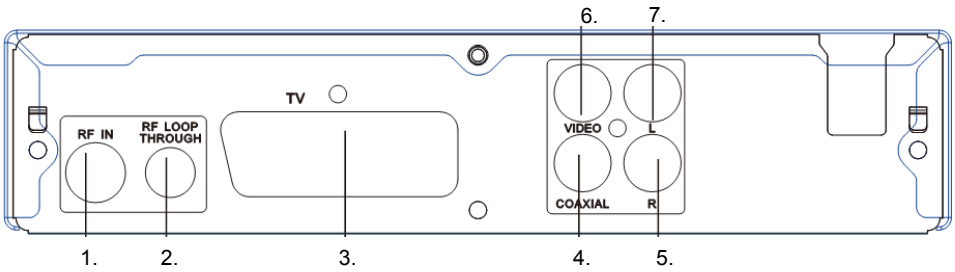
Front Panel



1. Power button
2. Channel down button (CH-)
3. USB Port
4. Channel up button (CH+)
5. IR Receiver

Note:
The unit is automatically ready to work as soon as the power supply is applied.

Rear Panel



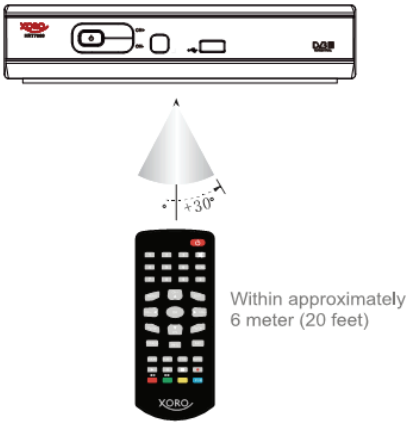
Description of the elements:

1. Aerial Input
2. Loop Out Aerial output
3. SCART output TV
4. Digital audio output (coaxial
5. ► Audio out for Stereo
6. CVBS Video out
7. ◄ Audio out for Stereo

Remote Control

Insert batteries and operationradius

- Remoce the safety tab from the battery to make the remote control working.
- Please uses only CR2025 battery
- For the best results, aim the remote towards at the player. Stay within 6 meter and angles of 60 degrees or less.
- Remove battery during storage or when you are not using the device for a long time.

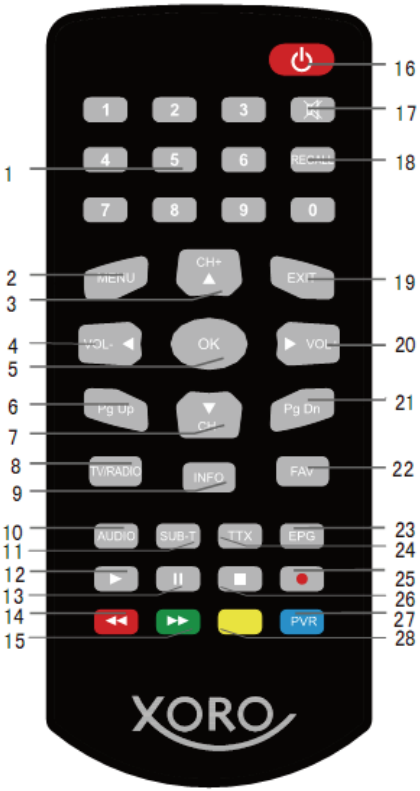


Notes:

1. Remove and exchange old batteries. Leaking out battery acid can damage your health and the remote control.
2. Clean leaking out battery acid with a cloth
3. In case of skin contact immediately wash the affected area.
4. Please contact a medic after swallowing the battery or battery acid immediately
5. Seek medical advice if battery acid has been swallowed. In case of contact with your eyes wash out the eyes and seek medical advice.

English

Buttons



Buttons of the remote control

1. Numeric Buttons (0 … 9)
2. MENU button
3. Channel up button (▲/CH+)
4. Decreases Volume (◀/VOL–)
5. OK button
6. Page Up button (PgUp)
7. Channel down button (▼/CH-)
8. TV / Radio button
9. Information button (INFO)
10. Language button (AUDIO)
11. Subtitle button (SUB-T)
12. PLAY button
13. PAUSE button
14. Fast Rewind button (**<<**)
15. Fast Forward button (**>>**)
16. POWER button
17. MUTE button
18. RECALL button
19. Exit button
20. Increase Volume button (▶/VOL+)
21. Page Down button (PgDn)
22. Favorite Button (FAV)
23. EPG button
24. Videotext (TTX)
25. Record button (REC)
26. STOP button
27. PVR button
28. Yellow button

Note:
The same buttons on the remote control and the front panel have the same functions; either alternative shall work.

English

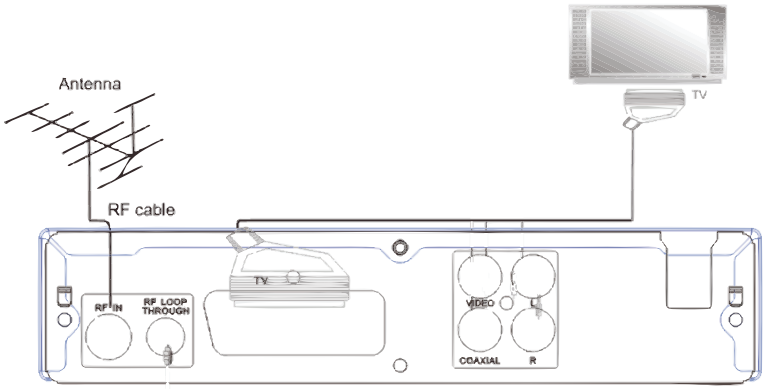
Connecting to an Aerial and TV

General information

- Assure that the device is switched off and unplugged.
- Read the manual of your TV and attend to the safety instructions.
- Please establish an accurate connection.
- Please check the video output settings.

English

The schematic picture shows the connection of the HRT 7000 to the antenna and the TV:

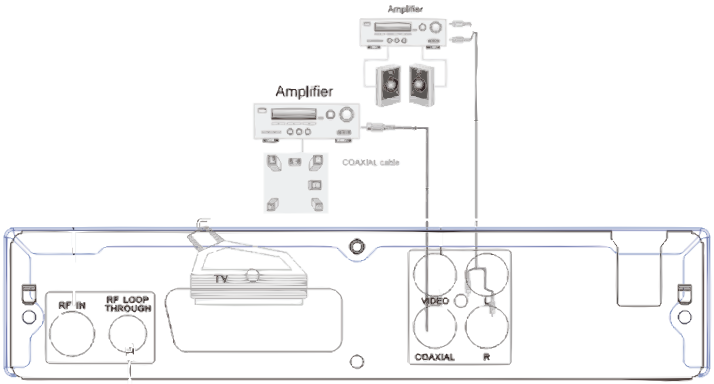


1. Connect a SCART (or CVBS) cable to the DVB-T receiver.
2. Connect the aerial cable to the aerial input (ANT IN) of the HRT 7000.
3. Connect the SCART (or CVBS) cable from the HRT 7000 to the TV set.
4. Connect the power cable and the plug to the wall outlet.
5. Switch on your DVB-T receiver and the TV
6. Choose the correct input SCART (or CVBS) at your TV

Note:
By using the loop through connector you can connect for example a second DVB-T Receiver.

To external decoder or amplifier

You have the possibility to transmit the digital audio signal to a decoder or amplifier. Therefore use the coaxial output.



1. Switch off and unplug all devices
2. Connect the receiver and the TV with a SCART or HDMI cable
3. Connect the HRT 7000 to the decoder or amplifier (coaxial cable)
4. Switch on all devices
5. Activate the coaxial input at your decoder or amplifier

Notes:

- The Cables are not part of the accessories
- There a just a few channels which use digital audio.
- You can gain information about the audio signal by pressing the **AUDIO** key on your remote control

Stereo Analogue Output

Insert one end of the audio (Cinch [RCA]) cable into the white/red Cinch [RCA] socket L/R AUDIO OUT at the back of the device and the other end into the audio input socket (usually white/red) on the amplifier set or TV set (usually labelled “AUX IN” / “Stereo IN”). Please also refer to your Amplifier or TV sets user manual.

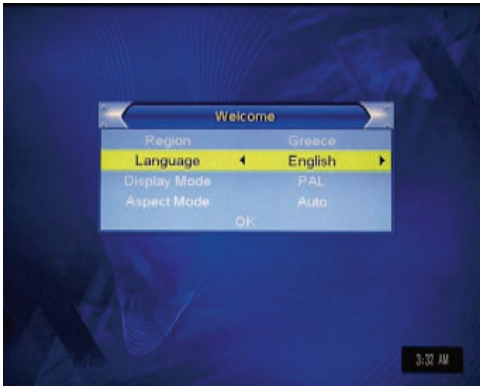
Switch on the Amplifier and select the AUX or Stereo input.

First Time Installation

After all connections have been made properly, switch on TV and make sure the receiver is connected to the Main Power. Press **POWER** button to switch receiver on.

If you are using the receiver for the first time or restored to Factory Default, the Main Menu will appear on your TV screen.

1. Region
2. OSD Language
3. Display Mode
4. Aspect Mode



Navigate with the arrow keys **UP** and **DOWN** to each settings and change the options by pressing the ◄ and ► button. Press the **EXIT** button to leave the setup menu.

Region
Choose the country by using the ◄ and ► button.

OSD Language
Choose a language by using the ◄ and ► button.

Display Mode
Choose a display mode by using the ◄ and ► button.

Recommended: PAL

Aspect Ratio
Choose a aspect ratio by using the ◄ and ► button.

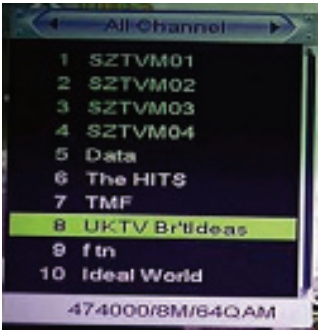
Recommended: AUTO

Once the setting is over, move to *OK* field with ▲/▼ button and press the **OK** button to start automatically scan. All founded TV channel are stored into the channel list.

Note:
Please pay attention on the Region setting. If the setting is wrong, than maybe no channel can be find during the scan.

Important keys and functions

Program list
Retrieve the program list by pressing **OK** or **CH.LIST** button.

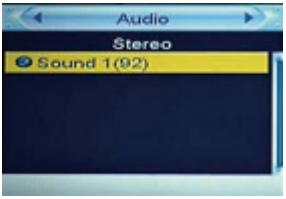


▲/▼	Next/previous program
PgDn/PgUp	Next/previous page
◄/►	Change to favourite list
OK	Activating the chosen program
EXIT	Exit the program list

Note:
TV and Radio list are very similar to handle.

Subtitles
Pressing **SUB-T** enables subtitles. If subtitles are available for this program you can enable them with **OK**

Audio settings of TV programs
Access the audio settings by pressing **AUDIO**. Change language (only certain programs), choose another audio track (if available) or choose between the audio settings (◄ / ► channel, stereo)



Note:
Selecting AC-3 audio track will not work via SCART. When AC-3 is selected the audio is put out via the coaxial output.

Information
Pressing **INFO** shows a lot of information. By pressing the **INFO** button the first time the overview shows up: TV program name, active TV programs, availability of teletext, etc.

Press the INFO button again and the device shows the information of the current TV channel about frequency of the TV programs, bandwidth and signal quality.

English

Functions

Important keys and functions

P100 100 ARDtext Mi 20.01.10 12:27:38
ARDText
Merkel verteidigt Schuldenrekord 120
Haiti:Chaos in den Krankenhäusern 123
Zugunglück in Niedersachsen 131
USA: Amokläufer tötet 8 Menschen. 156
Biathlon: Heute 15 km Frauen 218
Tennis: Kohlschreiber gegen Nadal 225
Sixdays: Sieg für Risi/Marvulli 242
12.15 ARD-Buffet 315
Moderation: Evelin König
13.00 ARD-Mittagsmagazin 312
Inhalt (A-Z) 101 Programm 300
Tagesschau 112 Boulevard 500
Aus aller Welt 155 Wissen 510
Sport 200/600 Wirtschaft 700/710
101 102 103 104

Teletext
The teletext is activated via the **TTX** button.

Navigation:

- Numeric for entering teletext sites
- ◄/► Next/previous page
- **RED, GREEN, BLUE** and **YELLOW** for the shown sites
- **EXIT** for closing teletext

Volume
Change the volume by pressing the ◄ **(VOL-)**/► **(VOL+)** button.

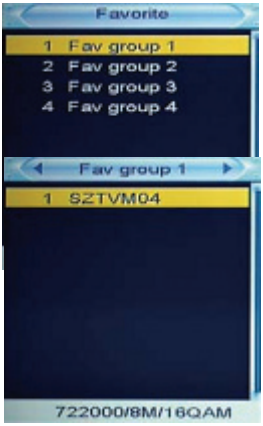
TV and Radio List
To switch from TV to the Radio list, please press the **TV/RADIO** button.

Change Program
To switch program please press the ▲ (CH+)/▼ (CH-) button.

Navigation in the Setup Settings
With the Navigate in settings please use the buttons of the navigation cross (◄/►/▲/▼).

Numeric buttons
You can change during the live picture the channel by pressing the numeric buttons. Press **2** to change to the second channel in the list, or press **13** to change to thirteen channel in the list. Please confirm every channel input with the **OK** button.

Favourite
Press the **FAV** button during the live picture and the favourite group window appears on the screen. Select a favourite group by using the ▲/▼ button and confirm with **OK** button.



The selected favourite group opens on the screen. Navigation into the favourite window:

OK	Starting chosen TV program
▲/▼	Next/previous program
PgDn/PgUp	Next/previous page in the channel list
◄/►	Next/previous favourites group
EXIT	Exit favourites list

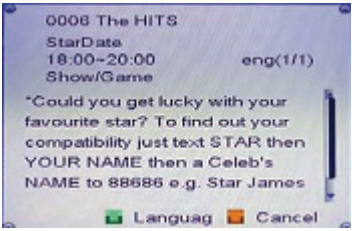
Important keys and functions

EPG

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the **EPG** button on the Remote Control to access guide.

Additional buttons are for navigation:

OK	Apply to detailed EPG information
RED	Exit of the sub-window or navigate in the Time Bar of the EPG window
▲/▼	Next/previous channel
GREEN	Start the Timer programming
◄/►	Change program
EXIT	Exit EPG


0006 The HITS
StarDate
18:00~20:00
eng(1/1)
Show/Game
*Could you get lucky with your favourite star? To find out your compatibility just text STAR then YOUR NAME then a Celeb's NAME to 88686 e.g. Star James
Languag
Cancel

Navigation in the Timer Bar:

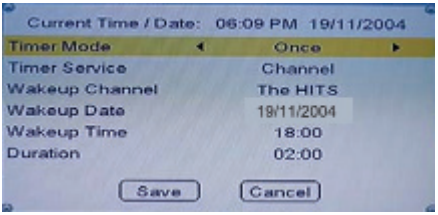
Use the ◄/► buttons to select one of the option for quick navigation in the time bar. You see the different option in the bottom line of the EGP windows. The symbols are in order (left to right side):

- Back
- Current Time
- Last Program
- Next Program
- 2 hours backward
- 2 hours forward
- Last day
- Next day

Choose a symbol and press the OK button to action the operation.

Timer programming from EPG

If you chosen a program and press the **GREEN** button the timer programming appears on the screen. Here you can set or modify different options like Timer Mode, Timer Service, Wakeup Channel, Wakeup Date, Wakeup Time and Duration.



English

Recording

If you want to record a broadcast, please plug firstly an USB storage to the USB port on the front side of the device. Choose a TV channel and a TV program and press the REC button on the remote control. The standard duration time for each recording is 2 hours (can be changed by the settings). If you want decrease or increase the duration time of the recording please press again the **REC** button. Now, you get access to the duration time and you can manipulate them.
To stop or ends the recording, please press the **STOP** button on the remote control. A safety request appears on the screen. Press again the **STOP** button and the recording stops completely.

Time Shift

To use the time shift function, the option have to be activate in the setup settings. How to control the setting:

1. Plug an USB storage to the USB port
2. Press **MENU** button and the setup settings appears on the screen
3. Navigate to the last symbol *REC* by using the ▲/▼ buttons.
4. Switch with the ► button to the right side
5. Choose the option *DVR configuration*
6. Choose the option *Time shift* and change the setting to *ON*.

Now the Time Shift function is activated and runs the whole time during the live picture. If you change the TV channel than the time shift starts new for the new TV channel.

When you press the **INFO** button during time shift mode than an information window appears on the screen.

Navigation during time shift mode:

◄/► Move the slide inside the time bar. Press **OK** to jump them.

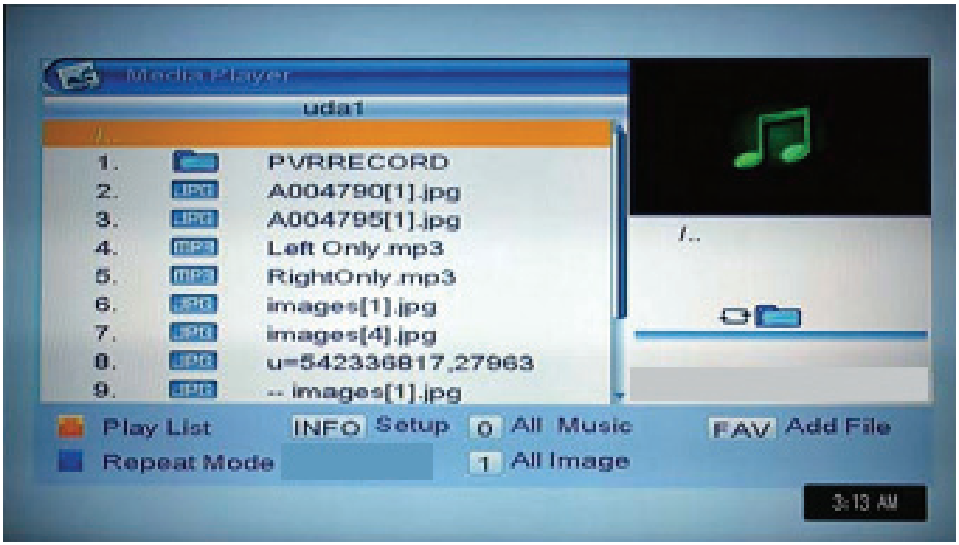
The USB menu will automatically be shown once inserting the USB storage to the USB port, except the status of auto scanning, multi picture displaying and upgrading. Another way to open the USB menu is to go step by step according to:

Menu —> Tools —> USB Device

The USB menu will be disabled when the USB device is unplugged. Media-Player list will not be saved after unplugging the USB storage and/or going to Stand-By mode or Power Off mode.

The Media-Player supports the playback of picture files in JPEG and Bitmap (JPEG, JPG, BMP) and MP3 music files.

The Media-Player menu will be shown:



The picture can be previewed at the top right corner if the highlight is on the picture file. The previewed picture will be replaced by a music logo when the highlight is on MP3 files.
Pressing the ▲/▼ buttons moves the highlight by one file to another and **PgUp/PgD**n moves one page inside the browser list.
Pressing **OK** button on a directory goes into the sub-directory and list all supported and known files into the file browser.

To play a specific file by moving the highlight on that file. The device will be automatically returned after the playback of the file or list is over.

The operations in the browser menu are:

FAV	Added a highlighted file into the play list.
0	Insert all Music files into the play list
1	Insert all images into the play list
YELLOW	Please select play list type query appears on the screen
BLUE	Repeat mode

Add files into the play list
Mark a file in the browser and press the FAV button on the remote control. The highlighted file will be added into the play list. A message “Wait please..” appears on the screen and after closing this message the file is inside the play list.

Add all files into the play list
If you want to add all MP3 files or images into the file list, than press the **0** button (for MP3 files) or **1** button (for images). A message “Wait please..” appears on the screen and after closing this message the file is inside the play list.

Select play list type
If you press the YELLOW button during the browser overview a message “Please select play list type” appears on the screen. Now, you can play the image or music files by choosing of them.

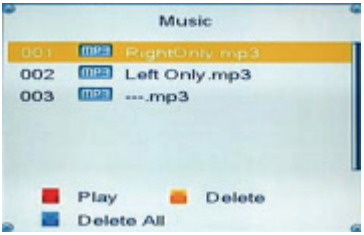
If here is no file in the directory, a message “This type of play list does not exist” appears on the screen.

Repeat modes during playback
Press the BLUE button on the remote control to define the repetition mode during the playback. Three modes are available:

- Folder
- Random
- Single

Music playback

If you want to listen music by the device, please choose the files or create a play list with the music files which are you wishes.



In case of a play list, all selected files are shown. You can start the playback of the play list or manage the list by operations.

Start the playback

Press the **RED** button on the remote control to start the playback of the play list.

Delete one file

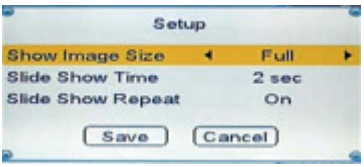
If you want to delete one file from the play list, lease select them by using the ▲/▼ buttons. If the file is highlighted press the **YELLOW** button and the selected file will be deleted from the play list.

Delete all files

If you want to delete all files from the play list, press the **BLUE** button on the remote control. All files from the list will be deleted after you confirm the safety query “Are you sure to save?”. After confirmation the operation is execute and the play list will be closed.

Image playback

If you want to playback image files with the HRT 7000, you can define some operations of them. Press the **INFO** button on the remote control and you can access to settings Image Size, Show Time and Repetition Mode. After changing the setting you shall store them by pressing the **OK** button on the *SAVE* field.



Show Image Size

Here you can define the displaying of the images on the screen. The option *FULL* produces every time a fill screen picture, independent from the aspect ratio of the image. The option *REAL* displays the images in order to there aspect ratio on the screen. The default setting is *FULL*.

Slide Show Time

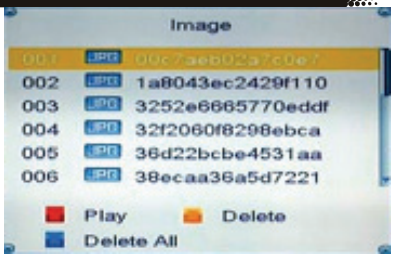
Here you can define the displaying time of each image. The default setting is *2* sec.

Slide Show Repeat

Here you can define a loop function, when you activate (*ON*) this option. The Slide Show can only break by **EXIT**, **STOP** or **POWER** button.
If the setting is *OFF*, than the slide show runs only one times.

If you want to watch image by the device, please choose the files or create a play list with the image files which are you wishes.

In case of a play list, all selected files are shown. You can start the playback of the play list or manage the list by operations.

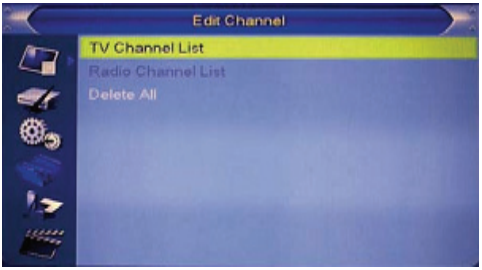


Start the playback
Press the **RED** button on the remote control to start the playback of the play list.

Delete one file
If you want to delete one file from the play list, lease select them by using the ▲/▼ buttons. If the file is highlighted press the **YELLOW** button and the selected file will be deleted from the play list.

Delete all files
If you want to delete all files from the play list, press the **BLUE** button on the remote control. All files from the list will be deleted after you confirm the safety query “Are you sure to save?”. After confirmation the operation is execute and the play list will be closed.

To access the setup setting please press the **MENU** button on the remote control. The setup menu appears on the screen.



The menu is build-up:

Left	Major Categories
Right	Options of each category

The major categories are:

- Edit Channel
- Installation
- System Setup
- Tools
- Game
- REC

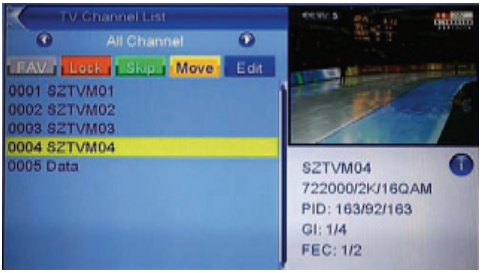
Use the ▲/▼ buttons to navigate between the major categories. Press the to switch with the ►/**OK** button to the right side and enter to the options. Use the ▲/▼ buttons to navigate between the different options. Press **EXIT** or ◄ button to enter from the option to the upper options or category.

Edit Channels

The menu EDIT CHANNELS contains the options for:

- TV Channel list
- Radio Channel list
- Delete All

When you enter into the TV channel or Radio Channel list a dialogue inquires the password. The standard password is 0 0 0 0. Enter the password and than you get access to these options.



TV Channel List

When you get access to the menu TV Channel list, than you see the channel list. Here you can define favourites, can lock, skip, move and edit the channels.

Move the highlight by pressing the ▲/▼ buttons and press the **OK** button, than the channel appears in the preview window.
To move quickly inside the channel list you can uses the **PgDn** and **PgUp** button to scroll one page forward or backward.
Press ◄/► buttons to change the different program groups.
Press **EXIT** or **MENU** button to cancel this menu.
Uses the coloured buttons to activate the related functions.

Edit Channels

Favourite
If you want to define some channels as favourite, please choose a channel, press the **FAV** button and than the **OK** button. A new window appears on the screen. There you can choose a favourite group. Move the highlight among the 8 favourite groups and press the **OK** button to make a favourite mark in the left side of the selected favourite group. After marking press the **EXIT** button to return to the TV channel list. The marked channel has beside a favourite mark.

To unmark the selection press **OK** button again.

Lock
Press the **RED** button to enter into the lock mode. Press the ▲/▼ buttons choose a channel. Press the **OK** button and a dialogue window appears on the screen. There you need to insert the password. Enter the password by using the numeric buttons of the remote control. After than a lock marked can be seen on the right side of the highlighted channel.

If you want to see a lock channel the dialogue window appears on the screen to enter the password.

Skip
Press the **GREEN** button to enter the skip mode. Press the ▲/▼ buttons to choose a channel. Press the **OK** button to make a skip mark on the right side of the channel. Press **EXIT** and the changes are saved. The channel will be skipped while user change in the live picture.

Move
Press the **YELLOW** button on the remote control to enter the move mode. Press the ▲/▼ buttons to choose a channel. Press the **OK** button to make a moving mark on the right side of the channel. Move the channel by using of the ▲/▼ buttons to the position that you want to place. Press **OK** button to confirm the position.

Edit
Press the **BLUE** button on the remote control to enter the edit mode. In the edit mode you can sort, rename or delete the channels.

The cancel the edit mode, please press the **EXIT** button. If you have done some modification the system will show up a message box to inquire you weather saving or not when exiting.

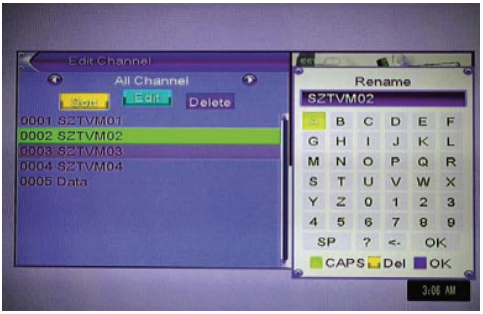
Sort
Press the **RED** button to sort the channel in the edit mode. The device opens a Sort window. There are four sorting approaches. Press the ▲/▼ buttons to select one option and confirm the selection by pressing the OK button. The options are:

- Name (A-Z): Alphabetical descending order
- Name (Z-A): Alphabetical ascending order
- Lock: Sort all locked channels and place the in the bottom part of the list
- Default: Return to original setting order

Edit Channels

Rename

Press the **GREEN** button to sort the channel in the edit mode. Press the ▲/▼ buttons to choose a channel. Press the **OK** button to open the rename window. Here you can define a new name for the channel by using the On Screen Keyboard. Further options are:



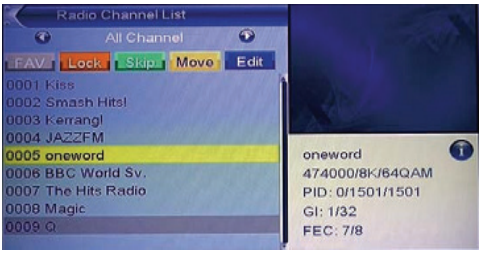
- **RED**: Switch to capitals and back
- **GREEN**: Delete the character on the cursor position
- **YELLOW**: Save the changes
- **BLUE**: Exit the rename mode

Delete

Press the **BLUE** button to sort the channel in the edit mode. Press the ▲/▼ buttons to choose a channel. Press the **OK** button to mark the selected channel with a delete mark on the right side. After saving and exit the Edit Channel menu, the marked channel will be deleted.

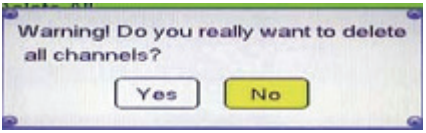
Radio Channels

Basically, the operation in Radio Channel List are the same as those of the TV Channel List, except there is no video information. So the Radio logo will always be displayed in the right side of the preview window.



Delete All

Press OK button to delete all channels and a warning message appears on the screen. Move the cursor to *YES* or *NO* and press the **OK** button to execute the operation.



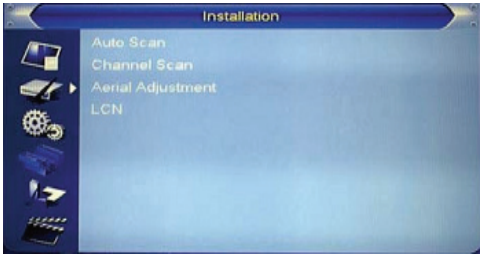
- *YES*: All channels will be deleted
- *NO*: Cancel the function

English

Installation

Installation

When you enter the Installation menu you can find the option for:



- *AUTO SCAN*
- *CHANNEL SCAN*
- *AERIAL ADJUSTMENT*
- *LCN*

Press the ▲/▼ buttons to move the cursor and press the **OK** or ► button to enter the *INSTALLTION* menu. If the setting *MENU LOCK* is on, then a dialogue to inquiry the password will be shown. Enter the four digit password. The default password is 0 0 0 0.
When you get access to the installation menu, press the ▲/▼ buttons to move the cursor to one of the option.
Press the **EXIT** button to cancel and go back to the Main Menu.

AUTO SCAN

When you enter to AUTO SCAN menu, there you can find two sub-options:

- FTA Only
- Search

FTA Only

Here you can choose to search only Free-to-Air (FTA) or including the PAY-TV (encrypted) channels.
Change the sub-option by pressing the ◄/► buttons.

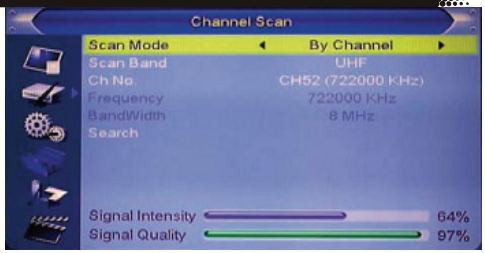
Search

Press the **OK** button on the sub-option Search and the device starts the channel search run.

To abort the search run, press the **EXIT** button.

English

Installation



Channel Scan
When entering to Channel scan menu, you will see the different sub-options. The sub-options are:

- Scan Mode
- Scan Band
- Ch No
- Frequency
- Bandwidth
- Search

Scan Mode
There are two choices of Scan Mode. You can scan channel by channel or frequency. If you choose by scan by channel, than the sub-options Scan Band and Channel number (CH No) are editable. The sub-options Frequency and Bandwidth can not changed. The parameters for frequency and bandwidth are given from the region or country selection.

Scan Band
Here you can choose between UHF and VHF band. The frequency range by VHF band is between 174 to 230 MHz and by the UHF band between 470 to 862 MHz.
In case of the setting *Frequency* by *Scan mode* the option *Scan Band* disappears and can not changed.

Channel Number (CH No)
Here you can choose one of 56 channels. If you choose a channel number than automatically based on the country selection the parameters for frequency and bandwidth are given.
In case of the setting *Frequency* by *Scan mode* the option *CH NO* disappears and can not changed.

Frequency
This option are only than available, when you chosen the option Frequency by the Scan mode.
If this option is available than you can enter directly the frequency. Please pay attention that on the selected frequency you can receive any signal. Helpfully to control this point is, to observe the parameters *Signal Intensity* and *Signal Quality*.

Bandwidth
Here are three different settings to choose. You can uses 6, 7 or 8 MHz for the bandwidth.

Note:
Please uses the two option Frequency and Bandwidth when you are a professional. Otherwise, the device can not find any channel.

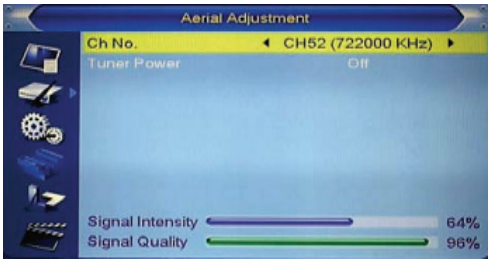
Installation

Search
When you complete your modification, move the cursor to *Search* and press the **OK** button to start the channel scan.

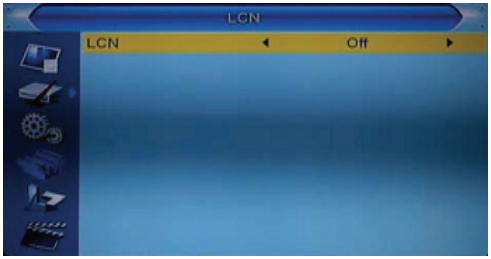
To cancel the scan you can press the **EXIT** button.

Aerial Adjustment
With this option you can control the Signal Intensity and Signal quality of each Channel Number.

If one channel has a too low strength, you may adjust the aerial new and can try also to switch on the Tuner Power.
With this option you can activate voltage at the antenna output on or off.



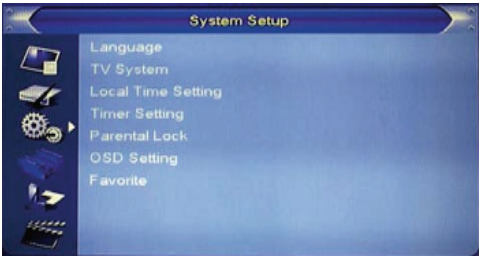
LCN
With this option you can display the logical channel numbers (LCN). Using the ◄ / ► button to activate the option on or off.



System Setup

The menu System Setup includes the option for:

- Language
- TV System
- Local Time Setting
- Timer Setting
- Parental Lock
- OSD Setting
- Favourite

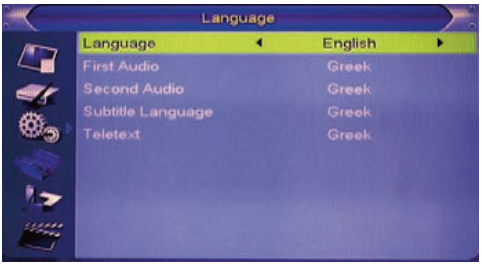


Press the ▲/▼ buttons to move the cursor and press the **OK** or ► button to enter the menu. If the setting *MENU LOCK* is on, then a dialogue to inquiry the password will be shown. Enter the four digit password. The default password is 0 0 0 0.
When you get access to the installation menu, press the ▲/▼ buttons to move the cursor to one of the option.
Press the **EXIT** button to cancel and go back to the Main Menu.

Language
Here you can change the language setting for

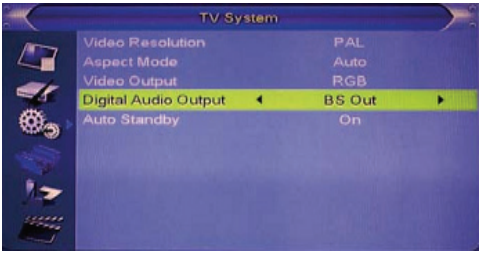
- OSD
- Audio
- SubtitleT
- eletext.

Using the ◄/► button to change the setting.



TV System
The sub-option are:

- Video Resolution
- Aspect Mode
- Video Output
- Digital Audio Output
- Auto Stand-By

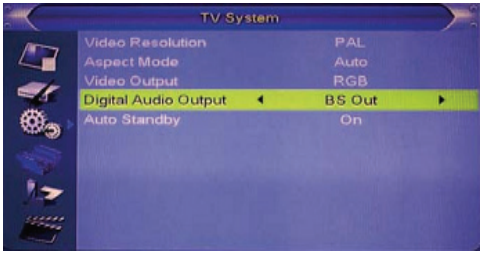


Video Resolution
Choose between PAL, NTSC or AUTO.

Note:
Usually AUTO affords the optimal effect.

Video Output
Choose the type of SCART output. You can choose between RGB and FBAS (CVBS). If your TV supports RGB you should choose RGB because it affords a better video quality than FBAS.

System Setup



Aspect Mode

With this menu you set the type of your TV. Please mind your aspect ratio of your TV.

- Auto
- 16:9 Fullscreen
- 4:3 PanScan
- 4:3 Letterbox

Note:
Usually AUTO affords the optimal effect.

Digital Audio

Here you can switch on/off the digital audio output and choose the type of digital audio.
LPCM: Digital audio output (PCM format)
BS Out: All types digital audio

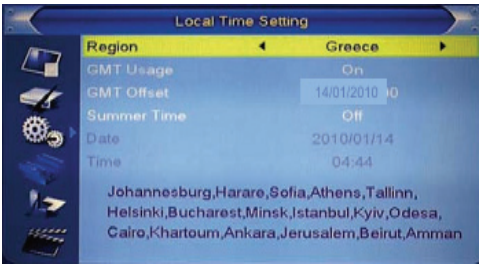
Auto Stand-By

The device will be automatically switched into standby mode after three hours in active mode following the last user interaction and/or a channel change. An alert message will show 2 minutes before going into standby mode.

System Setting

The menu Local Time Setting includes the options for:

- Region
- GMT Usage
- GMT Offset
- Summer Time
- Date
- Time



Region
Using the ◄/► buttons to change the country.

GMT Usage
Using the ◄/► buttons to switch on or off the GMT usage setting.

GMT Offset
This option is only valid, when the GMT Usage is switched on. Using the ◄/► buttons to change the values from –11:30 to 12:00 with the increment unit by half a hour.

Summer Time
This option is only valid, when the GMT Usage is switched on. Using the ◄/► buttons to activate or deactivate the summer time. If on, than the current time will be added by one hour.

Date and Time
This option is only valid, when the GMT Usage is switched off. Using the ◄/► buttons to edit the Date and Time setting.

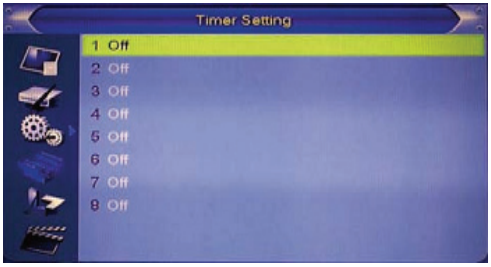
Press the **EXIT** button to draw back from the Local Time Setting.

English

System Setup

Timer Setting

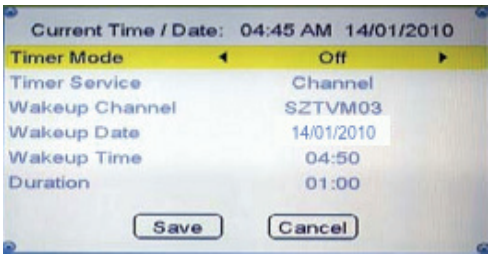
Select the Timer Setting in the System Setup menu and press the **OK** button to start them.



You can program 8 timer schedule.

Press the ▲/▼ buttons to move the cursor to one of the Timer and start them with the **OK** button.

A new popup window appears on the screen to program the schedule. On the top side you can find the current time information.



The option to program a schedule are:

- Timer Mode
- Timer Service
- Wakeup Channel
- Wakeup Date
- Wakeup Time
- Duration

Timer Mode

There are several modes for the Timer (Off, Once, Daily, ect.)

Off: No activation for the Timer
Once: Starts the schedule only one time in order to the programmed time
Daily: Repeats daily to the same time the schedule

Timer Service

There are two modes for the Service to set (Channel, Record).

Channel: Starts the schedule to the programmed option and display the channel
Record: Starts the schedule and records the channel.

Note:

If you want record, please don't forget to plug an USB storage.

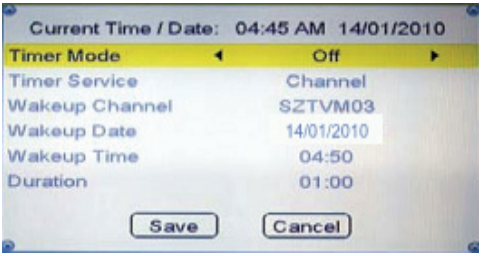
Wakeup Channel

Press the **OK** button to enter into the channel list. Choose a channel and confirm them by pressing the **OK** button.

Wakeup Date

Use the numeric buttons to enter the date.

System Setting



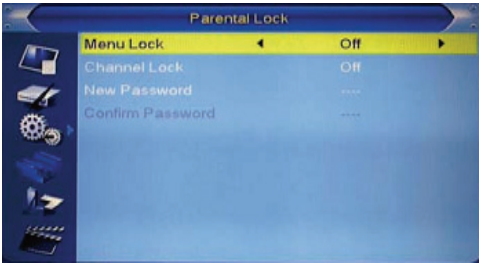
Wakeup Time
Use the numeric buttons to enter the time.

Once the time's up, no matter what the system is in standby or in playing, the device will automatically switch to the channel you want to watch and start to play.

Duration
Use the numeric buttons to enter the duration of the timer.

After setting a timer for duration item, once the time's up, the device will automatically switch to standby mode. If you want to disable this function, set the duration to be 00:00.

Move the cursor to the Save field and press the **OK** button to save the programming. Select the Cancel field or press the **EXIT** button to abort the operation.



Parental Lock
By pressing the OK button on the option Parental Lock item, a dialogue will be popup on the screen. Now you need to insert the password. The default password is 0 0 0 0. Once the user mane the password correct, a new window appears on the screen.

The options are:

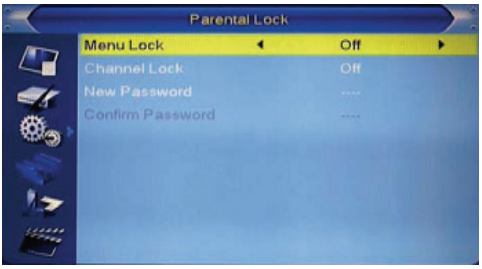
- Menu Lock
- Channel Lock
- New Password
- Confirm Password

Menu Lock
Determining the user's interaction to block the following menus with password: Edit Channels, Installation and Tools.

Channel Lock
Determining the user's intention to play or lock channels with password. If the setting is *Yes*, than the password will be asked to play the channels with lock mark.

English

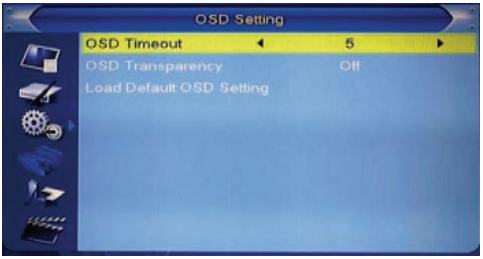
System Setup



New Password
This option is for revising password. Please insert a four digit password. The option Confirm password is now active and required to insert the new password again.

If the password is correct, the screen will show up a message of "Saving Data, Please Wait…" After finishing saving and drawing back to System Setup menu, the revising is completed.

Press the **EXIT** button to draw back from the Parental Lock menu into the System Setup menu.



OSD Setting
The OSD Setting includes the options for:

- OSD Timeout
- OSD Transparency
- Load Default OSD Setting

OSD Timeout
To set the duration of showing up for the program banner which contains some information about the channel and show up once the channel is changed. Using the ◄/► buttons to set the time, ranging from 1 second to 10 seconds.

OSD Transparency
To set the transparency of OSD. Using the ◄/► buttons to set the transparency level from 10% to 40% and off. If the transparency is off, the OSD is opaque.

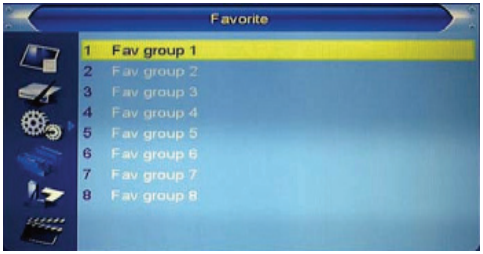
Load Default OSD Setting
By pressing the **OK** button to restore the default OSD setting.

Press the **EXIT** button to draw back from the OSD Setting menu into the System Setup menu.

System Setting

Favourite

When entering the Favourite menu, than you can see 8 groups of favourites. The default description of each are “Favgroup”. You can rename the description by pressing the OK button on a Favgroup.

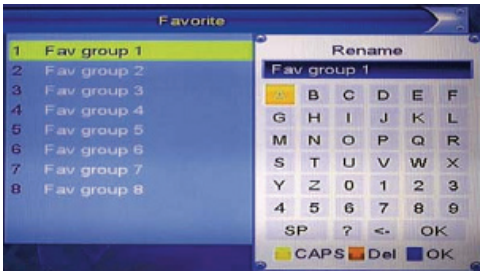


An On Screen Keyboard appears on the screen. Move the highlight with the ◄/► buttons to the character and press the OK button to set them.

To make capitals, press the **YELLOW** button on the remote control.

To delete the character on the cursor, press the **RED** button.

To save the modification, press the **BLUE** button.

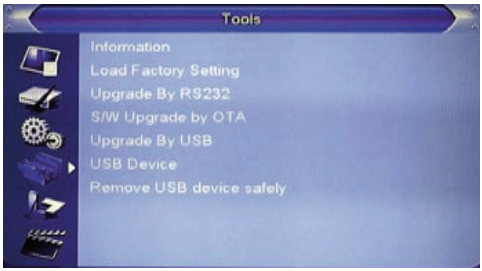

Favorite
1 Fav group 1
2 Fav group 2
3 Fav group 3
4 Fav group 4
5 Fav group 5
6 Fav group 6
7 Fav group 7
8 Fav group 8
Rename
Fav group 1
A B C D E F
G H I J K L
M N O P Q R
S T U V W X
Y Z 0 1 2 3
4 5 6 7 8 9
SP ? <- OK
CAPS Del OK

English

Tools

The Tools menu includes the options for:

- Information
- Load factory Setting
- Upgrade by RS232
- S/W Upgrade by OTA
- Upgrade by USB
- USB Device
- Remove USB device safely

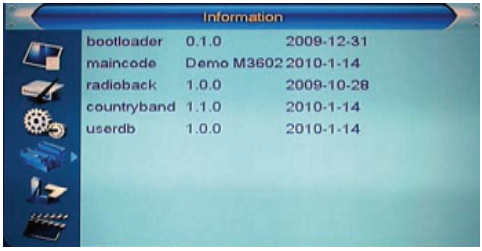


Press the ▲/▼ buttons to move the cursor and press the **OK** or ► button to enter the menu. If the setting *MENU LOCK* is on, then a dialogue to inquiry the password will be shown. Enter the four digit password. The default password is 0 0 0 0.
When you get access to the tools menu, press the ▲/▼ buttons to move the cursor to one of the option.

Press the **EXIT** button to cancel and go back to the Main Menu.

Information
When entering the Information menu, a new window appears on the screen. There you can find different information's about the device.

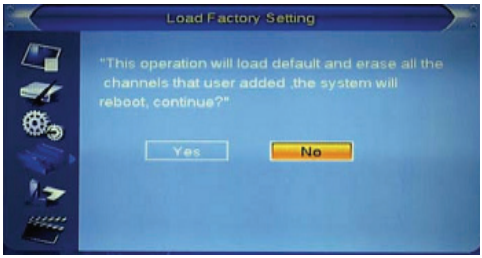
Press the **EXIT** button to cancel into the Tools menu.



Load Factory Setting
With this option you can restore all settings.
A warning inquiry will be shown with the message:

"This operation will load the default and erase all the channels that user added, the system will reboot, continue?"

Once the *YES* option is chosen, the all revised parameters of the device will be reset to the default. Please use this function carefully.


Load Factory Setting
"This operation will load default and erase all the channels that user added ,the system will reboot, continue?"
Yes
No

Once the *NO* option is chosen, the device cancel the operation. No default settings are loaded.

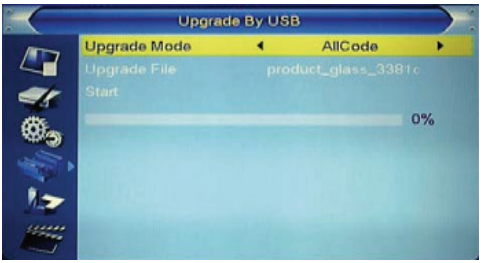
Tools

Upgrade by RS232
This option is fading out, because the device has no RS232 port.

S/W Upgrade by OTA
This option is fading out, because no upgrade are supported by OTA.

Upgrade by USB
This function is only valid when the USB device has been plugged-in and attached to the device.

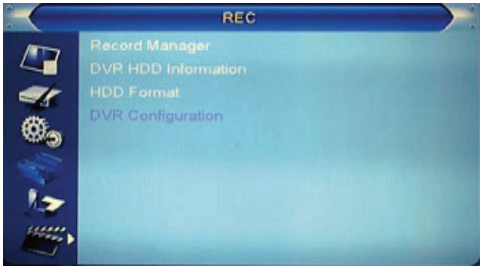
All detailed information about the progress will be given, when an upgrade is necessary.



Game

The HRT 7000 includes three games, Tetris, Othello and Soduko.

REC

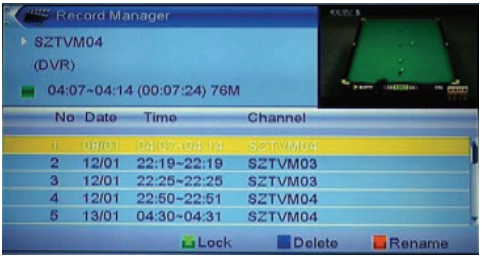


The *REC* menu contains the settings for:

- Record Manager
- DVR HDD Information
- HDD Format
- DVR Configuration

Press the ▲/▼ buttons to move the cursor and press the **OK** or ► button to enter the menu. If the setting *MENU LOCK* is on, then a dialogue to inquiry the password will be shown. Enter the four digit password. The default password is 0 0 0 0.
When you get access to the REC menu, press the ▲/▼ buttons to move the cursor to one of the option.

Press the **EXIT** button to cancel and go back to the Main Menu.



Record Manager
The Record Manager shows all recorded contents in a list. Here you can start the playback of them, can lock the content, can delete the recording or rename them.

Playback
Press the ▲/▼ buttons to move the cursor on a recorded file and press the **PLAY** button. The playback starts.

Lock
Press the ▲/▼ buttons to move the cursor on a recorded file and press the **GREEN** button to lock them. If you want to cancel the lock mark for a program, press the **GREEN** button again. It will ask you to input the password. Once you input the correct password, it will cancel the lock feature for the program.

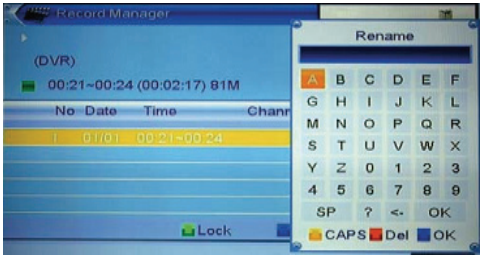
Delete
Press the ▲/▼ buttons to move the cursor on a recorded file and press the **BLUE** button to make a delete mark.

If you want to cancel the delete operation, press the **BLUE** button again to cancel the delete mark.

When you exit the Record Manager the marked file will be deleted.

Rename

Press the ▲/▼ buttons to move the cursor on a recorded file and press the **RED** button to display the On Screen Keyboard.



Move the highlight with the ◄/► buttons to the character and press the OK button to set them.

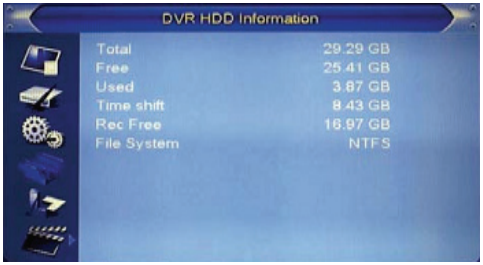
To make capitals, press the **YELLOW** button on the remote control.

To delete the character on the cursor, press the **RED** button.

To save the modification, press the **BLUE** button.

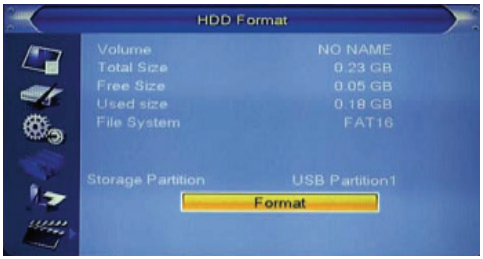
DVR HDD Information

Move the highlight to HDD Information and press the **OK** button on the remote control. It will display the information about the connected storage.



HDD Format

Move the highlight to HDD Format and press the **OK** button on the remote control. The HDD Format menu appears on the screen.



When you press OK button again, there are three choices listed as:

- FAT
- NTFS
- Cancel

If you select *FAT* or *NTFS*, the device will format the storage by the corresponding format.

Note:

Please use this function carefully. All data will be lost by formatting the storage.

If you select *Cancel*, than the device abort this function.

English

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.
Technical Support of Xoro/MAS:

- Tel.: +49 40 77 11 09 17
- Fax: +49 77735515
- Internet: www.xoro.de/support.htm

English

Symptom	Correction
No DVB-T reception / serious distortion by mosaics or artefacts/ freeze pictures	• No DVB-T reception in your region. • Realign the antenna. Please pay attention to the direction of the antenna. • Please use a bigger antenna or an aerial antenna. • Retry the Auto Scan.
No power	• Plug the power cord into the outlet tightly and turn on the power.
Can not scan programs	• Adjust the dish • Refer settings for searching
No picture / no coloured pictures	• Control the connection to the TV set. • Control the video output mode in the setup. • Press **DTV/VCR** button. Maybe you sets the second SCART (VCR) into the input mode. • TV channel or program is scrambled
Remote control does not work	• Change the batteries. • Operate within normal range (max. 5 meters, 30 °) • The sensor is pointed to by b► light.
No sound	• Cancel Mute. Press **MUTE** button • Increase volume. Press **VOL+** button • Pay attention to connection to TV set or amplifier.
Audio / Subtitle without function or can no choose	• Change audio track (press **AUDIO** button) • Change subtitle track (press **SUBTITLE** button) • Other audio track is not supported • Subtitles are not supported by broadcaster
No Recording	• No USB is connected. • No free space on the storage.
Recording has jerkings or other mal functions	• The connected storage is too slow. Please use only USB-Sticks with 8 GB or higher. • Please control the reception quality of the antenna and align them for getting better quality.

Specification

High Frequency Tuner

VHF:	174 — 230 MHz (Kanal 5—12)
UHF:	470 — 862 MHz (Kanal 21—69)
Bandwidth:	6 or 7 or 8MHz
Input Signal Level:	-70 - -10 dBm
Impedance:	75 Ω

Demodulation Mode

Waveform:	COFDM（Code Orthogonal Frequency Division Multiplexing）
Demodulation:	QPSK, QAM16, QAM64
Transmission Mode:	2K, 8K, FFT, SFN und MFN
Guard interval:	1/4, 1/8, 1/16, 1/32
Code rate:	1/2, 2/3, 3/4 ,5/6 ,7/8

Video, Audio Decoding

Video Standard:	ISO/IEC13818-2 MPEG2 (MP@ML) MPEG-4 (H.264) High Profile Level 3
Video Resolution:	576i (480i), 576p(480p)
Aspect Ratio:	4:3 PS & LB, 16:9
Teletext:	Support DVB-ETS300472
Audio Standard:	ISO/IEC 11172 Layer I & II
Audio Sample rate:	32, 44.1, 48 KHz

Power

Input:	AC 220—240 Volt, 50/60 Hz
Consumption:	< 5 Watt
Consumption in Stand-By:	< 1 Watt (without in waiting for recording)

Ambient condition

Temperature:	0—40° Celsius
Humidity:	90%

Connector

USB Port:	USB 2.0 High Speed
Video:	SCART, CVBS RCA
Audio:	Coaxial RCA, Stereo RCA

Device

Weight:	0,80 Kg (inclusive remote control)
Dimensions:	220 x 160 x 43 mm

Note:
Weight and dimensions are not absolutely exact values. Specifications are subject to change

Glossary

5.1

5.1-multichannel encoding means, that 5 audio channels with full frequency response are present (◄, center, ►, surround ◄, surround ►) plus a subwoofer channel (represented by the „.1") providing deep humming frequencies you are used to know from modern cinemas. Both Dolby Digital® (including AC3) and DTS® support 5.1-coding and –decoding.

Aspect ratio: 4:3 and 16:9

Full Frame refers to programs developed for TV display with an aspect ratio of 4:3. Widescreen refers to programs developed for screens with an aspect ratio of 16:9.
If a widescreen program is displayed on a 4:3 screen, the picture will have black borders on top and bottom.

Coaxial

Coaxial is a digital transmission standard for audio data transfer. Coaxial can transmit digital audio tracks from one source to another without having to leave the digital transmission, which would result in worse quality.

CVBS

Composite Video Interface. The video signal is transmitted via a single signal line. CVBS should only be used, if your playback device does not offer other interfaces for connection with you Xoro TV set, as CVBS due to technical reasons delivers worst quality of all available interfaces (please also refer to YUV, S-Video, SCART and RGB). The CVBS interface can easily be identified from the yellow colour of the RCA jack.

Dolby Digital 5.1

Dolby Digital 5.1 is a system for transmission and storage of 5.1 channel sound on digital media as DVD, digital TV and satellite transmission. Different from the codecs Dolby Surround® and Pro Logic® who do not work with channel separation to encode the surround sound in a stereo recording, Dolby Digital® is a discrete system where the different audio channels keep completely separated during encoding and decoding. Dolby Digital 5.1 is industry standard for coding of DVD movies with surround sound.

DVB MPEG-2

DVB is the abbreviation of Digital Video Broadcasting, which is a standardization group. DVB-T is one type of DVB mode (T=Terrestrial). MPEG is the abbreviation of Motion Picture Experts Group, a working group which defines international standards for audio and video digital compression. The MPEG-2 standards are mainly applied in digital TV signals.

DVB-T

DVB-T is the transmission of digital TV via terrestrial transmitter chains in the VHF or rather the UHF domain.

FEC

FEC stands for Forward Error Correction, applied to correct signal transmission errors between antennas and the receiver.

Glossary

NTSC
Widespread TV standard, especially in US and Asia. 525 (480 viewable) Lines and 60 Hz refresh rate. Describes the way the video information (b►ness, colour, refresh rate etc.) is transmitted. Within Europe, this video standard only appears on imported media (like US DVDs).

OSD
The OSD (On Screen Display) is all the menus and options shown on the screen.

PAL
European TV standard. PAL stands for Phase Alternation Line; refresh rate: 50 Hz, vertical line resolution: 625 Lines, 576 visible lines. Describes the way the video information (b►ness, colour, refresh rate etc.) is transmitted.

PID
The PID code (Packed Identification) is the identification number of audio and video signals in the digital data flow/stream of DVB MPEG-2 signals. With this code, the receiver transmits audio and video signals to a specific address.

RGB
Red Green Blue. Describes the way of transmission and display of video signals. The three in TV systems used colours red, green and blue are transmitted separately. When used for connection between playback device and TV set, it delivers a quality similar to YUV.

Subtitles
There are printed lines appearing at the bottom of the screen which are the translation or transcription of the dialogues.